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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/602,962	06/24/2003	Ronald W. Jocher	67108-016; Jocher 11	1188

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EXAMINER

TRAN, TUAN A

ART UNIT	PAPER NUMBER
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2618

DATE MAILED: 03/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/602,962	Applicant(s) JOCHER, RONALD W.	
	Examiner Tuan A. Tran	Art Unit 2682	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

1. Claims 1-13 are rejected under 35 U.S.C. 102(a) as being anticipated by Pennanen et al. (6,556,812).

Regarding claim 1, Pennanen discloses an apparatus and arrangements of using a wireless terminal antenna 306 for communication through a physical line 404 (See fig. 4), comprising: proximity coupling the wireless terminal antenna 306 with a strip line conductor 401 connected to the physical line 404 (See figs. 3-8 and col. 6 line 53 to col. 7 line 10, col. 8 lines 28-47).

Regarding claims 2-4, Pennanen discloses as cited in claim 1. Pennanen further discloses receiving a wireless transmitted signal from the terminal antenna 306 and transmitting the signal along the physical line 404 (See figs. 3-8 and col. 4 lines 58-64, col. 8 lines 44-47).

Regarding claim 5, Pennanen discloses as cited in claim 1. Pennanen further discloses placing the strip line conductor 401 adjacent a casing of the wireless terminal 301 (See figs. 6, 8).

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Regarding claim 6, Pennanen discloses as cited in claim1. Pennanen further using an H-field coupling between the wireless terminal antenna 306 and the strip line conductor 401 (See fig. 6 and col. 6 line 53 to col. 7 line 10).

Regarding claims 7, 10 and 12, Pennanen discloses a device 400 (See fig. 8) for coupling a wireless terminal 301, having a housing and an antenna for receiving and transmitting wireless signals, to a physical line 404, comprising: a strip line conductor 401 adapted to be placed adjacent to the housing and near the antenna of the wireless terminal 301 to establish a proximity coupling between the conductor 401 and the antenna 306 (See figs. 3-8 and col. 6 line 53 to col. 7 line 10, col. 8 lines 28-47).

Regarding claims 8 and 11, Pennanen discloses as cited in claims 7 and 10. Pennanen further discloses a dielectric layer 402 for supporting the conductor 401 on one side and a ground plane 403 on another side of the dielectric layer 402 (See fig. 4 and col. 4 lines 44-58).

Regarding claim 9, Pennanen discloses as cited in claim7. Pennanen further a connector 405 electrically coupled to the strip line conductor 401 adapted to be connected to a physical conductive line 404 (See figs. 4-5).

Regarding claim 13, Pennanen discloses as cited in claim12. Pennanen further a holder for securing the strip line conductor 401 in a desired position against the housing (See figs. 4-6).

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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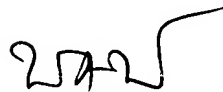
- Hofmann (6,384,789); Maldonado (5,852,421); Crowley et al. (6,064,343).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan A. Tran whose telephone number is (571) 272-7858. The examiner can normally be reached on Mon-Fri, 10:00AM-6:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Anderson can be reached on (571) 272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Tuan Tran



Matthew D. Anderson